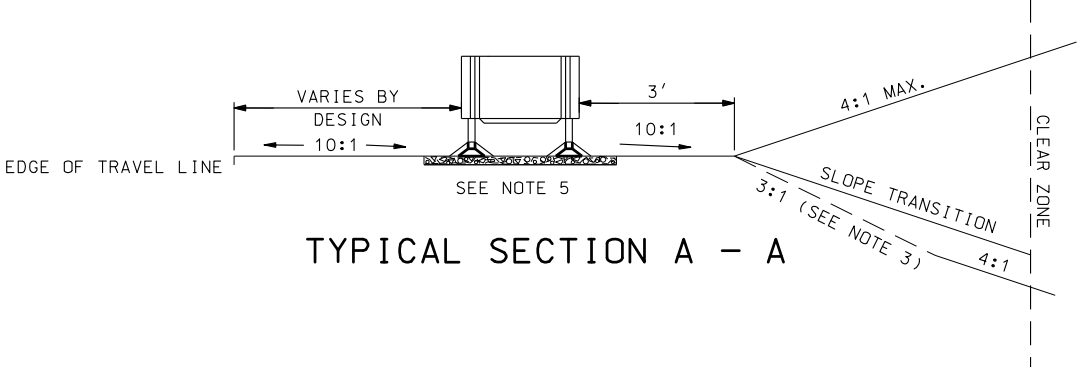
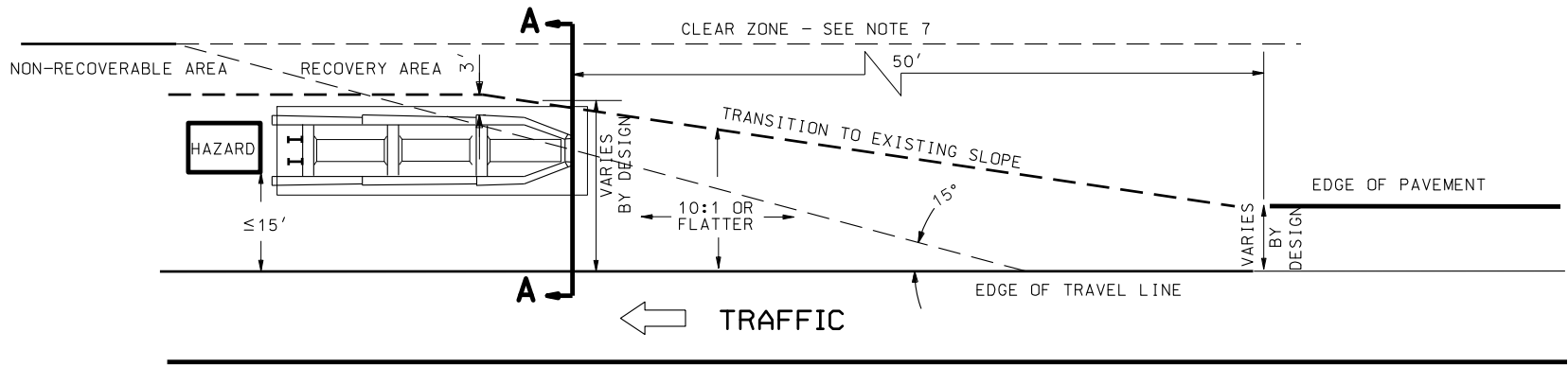
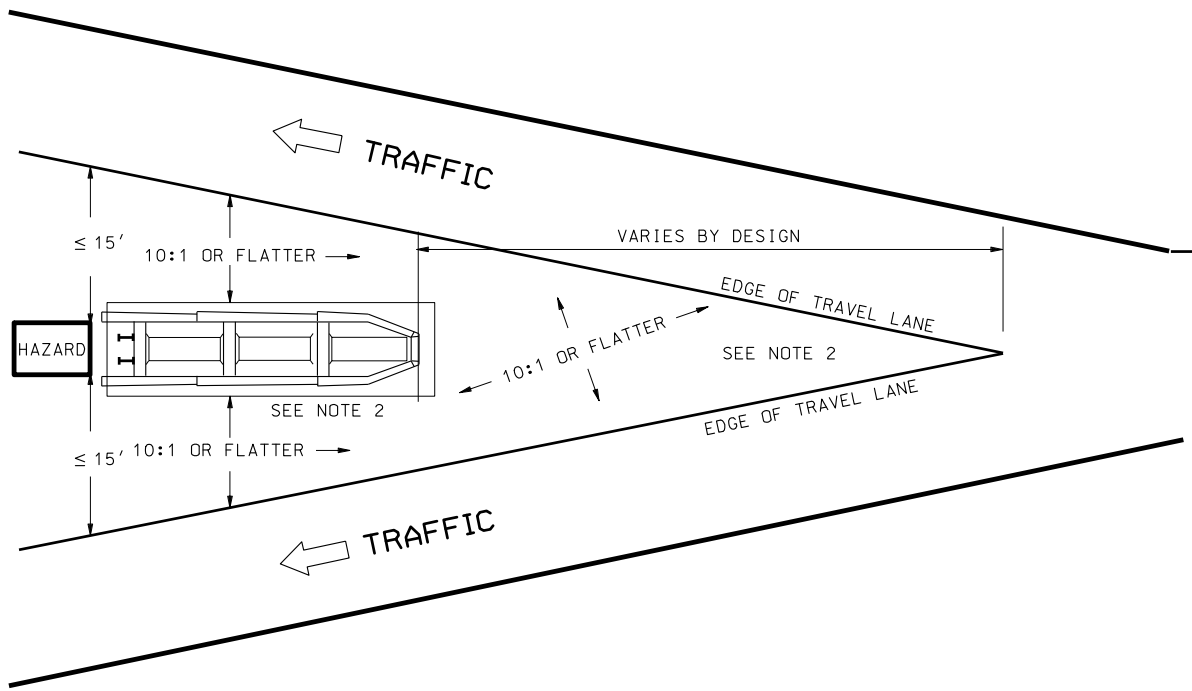


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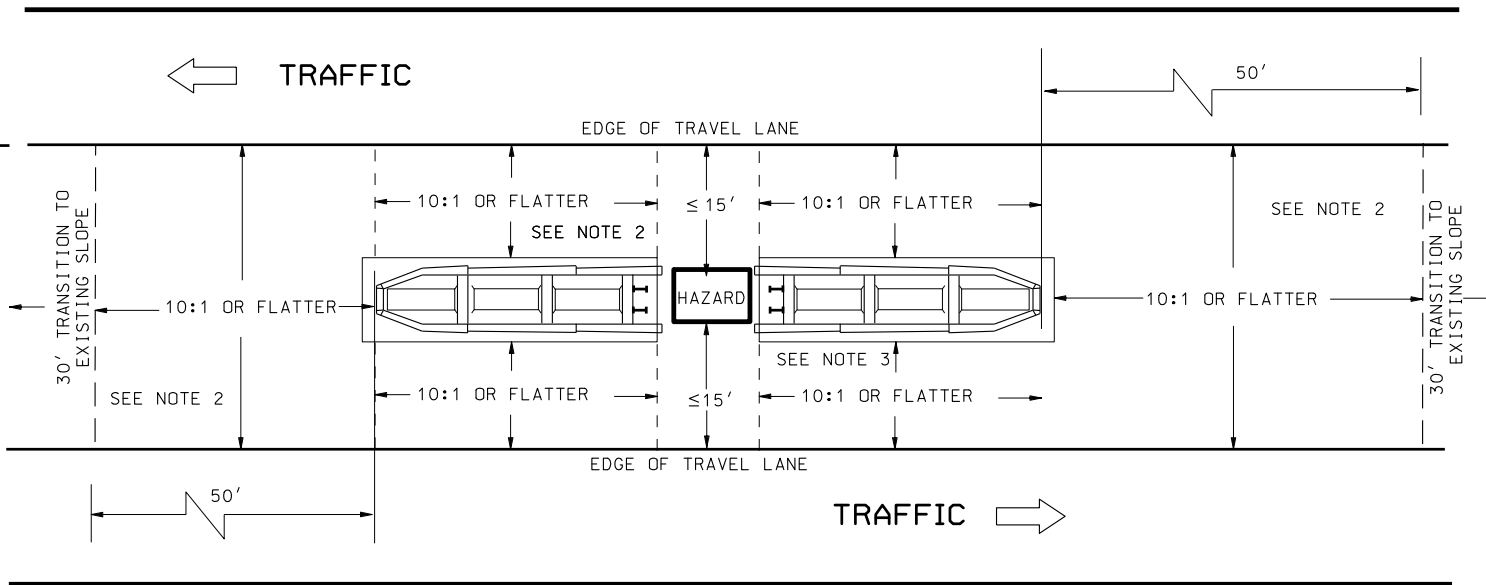
SHOULDER APPLICATION



GORE APPLICATION AREA



MEDIAN APPLICATION



NOTES:

1. CRASH CUSHION TYPE A: QUADGUARD, MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, TO PROTECT HAZARDS FROM 37 INCHES TO 90 INCHES.

CRASH CUSHION TYPE B: QUADGUARD, MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, TO PROTECT HAZARDS UP TO 36 INCHES.

CRASH CUSHION TYPE D: QUADGUARD ELITE AND QUADGUARD LMC, MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, AND REACT 350, MANUFACTURED BY ROADWAY SAFETY SERVICES.
TYPE D SYSTEMS PROTECT HAZARDS UP TO 90 INCHES IN WIDTH. TYPE D SYSTEMS ARE USED WHERE ONE OR MORE IMPACTS PER YEAR ARE ANTICIPATED, OR WHEN REPAIR HISTORY INDICATES TWO OR MORE IMPACTS OVER A THREE YEAR PERIOD.
2. ALL APPLICATIONS REQUIRE THE USE OF A 10:1 SLOPE OR FLATTER TO THE FRONT AND SIDE APPROACHES. USE A 10:1 OR FLATTER SLOPE AT THE REAR OF THE SYSTEM WHEN TRAFFIC ALSO APPROACHES FROM THE REAR OF THE SYSTEM.
3. USE A 4:1 OR FLATTER FILL SLOPE AND A RECOVERY AREA IF IMPRACTICAL, USE A MAXIMUM 3:1 FILL SLOPE AND A RECOVERY AREA ESTABLISHED AT THE TOE OF 3:1 FILL SLOPE. WHEN USED WITH A CUT SLOPE, A 4:1 OR FLATTER CUT IS REQUIRED IN THE RECOVERY AREA.
4. USE A TRANSITION ELEMENT, AS PER MANUFACTURER'S SPECIFICATIONS, WHEN TRAFFIC APPROACHES THE REAR OF SYSTEM.
5. USE MANUFACTURER'S SPECIFICATIONS FOR PAD AND BACKUP REQUIREMENTS.
6. INSTALL PROPER MARKINGS AS PER STD DWG CC 1.
7. MAINTAIN AASHTO CLEAR ZONE REQUIREMENTS.

REVISIONS		UTAH DEPARTMENT OF TRANSPORTATION		STANDARD DRAWING TITLE	
NO.	DATE	APPROVED	REMARKS	STANDARD DRAWING TITLE	STD DWG
1	04/26/07	RM	CORRECTED SLOPE CALLOUT IN NOTE 2.	DETAILS FOR PLACEMENT CRASH CUSHIONS TYPE A, B, AND D	CC 4
		RECOMMENDED FOR APPROVAL		APR 26 2007	
		CHAIRMAN STANDARDS COMMITTEE		APR 26 2007	
		DEPUTY DIRECTOR		APR 26 2007	